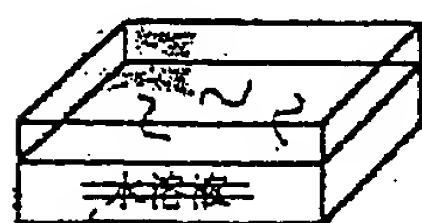
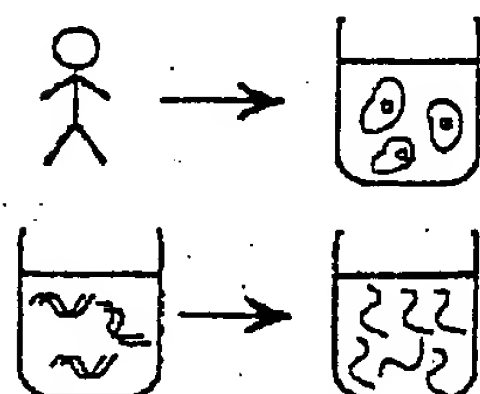


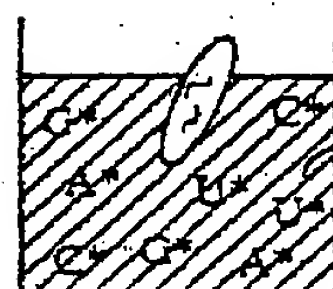
experimental concept



aqueous solution

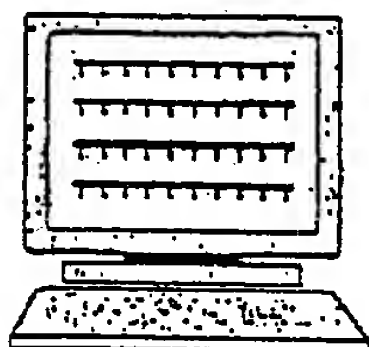
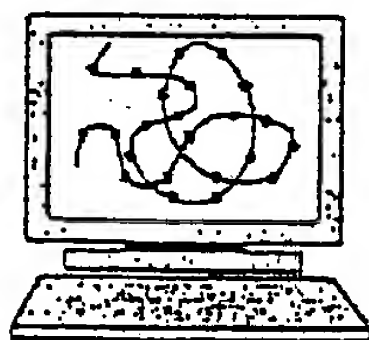
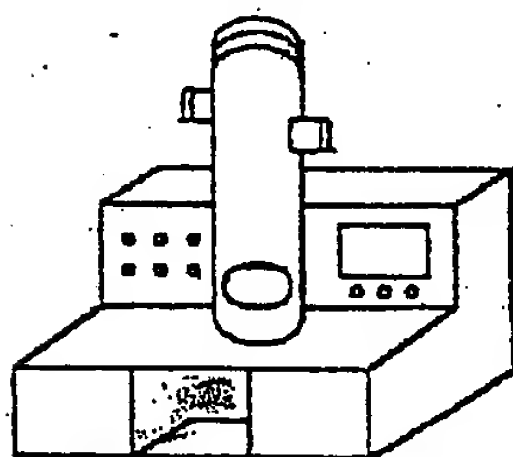


TEM grid



organic solvent

有機溶媒



experimental steps

DNA採取

collection of DNA

DNA融解 (一本鎖)

DNA melting into single chain

一本鎖DNA伸長展開

elongation of single-chain DNA

DNA電顕グラフ転写

transferring DNA onto TEM grid

重元素ラベル塩基対

base-pairs labeled with

heavy elements

電子顕微鏡観察

observation through TEM

重元素弁別画像解析

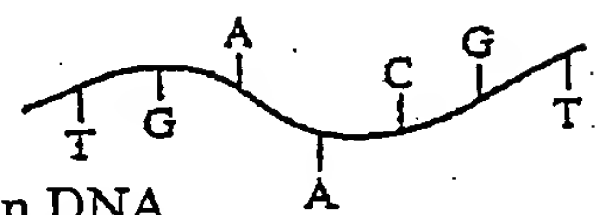
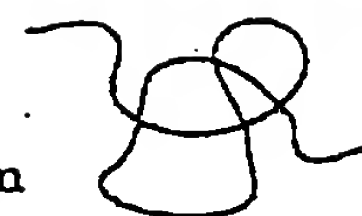
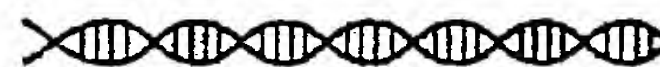
image analysis for discriminating

labeled heavy elements

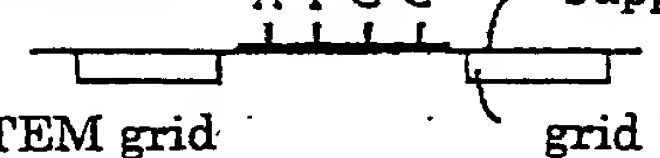
DNA配列解析

DNA sequence analysis

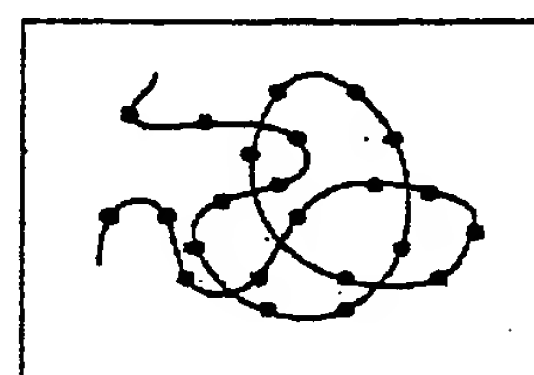
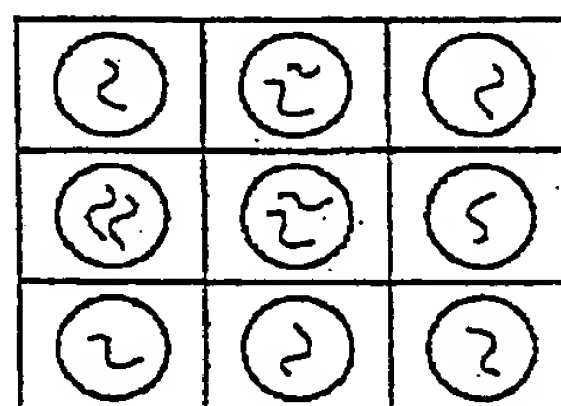
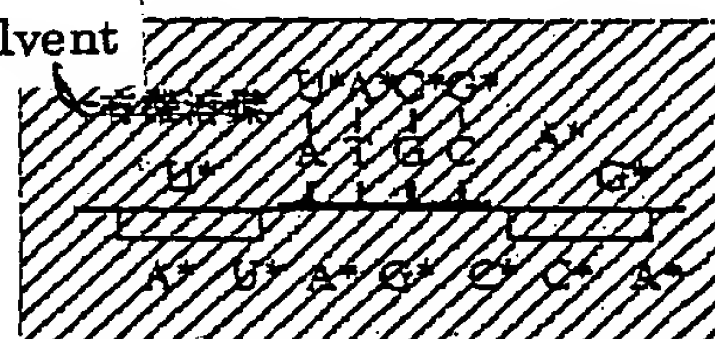
concept of DNA molecules



in the air A T G C support film



grid



T G A A C G T

Fig. 1

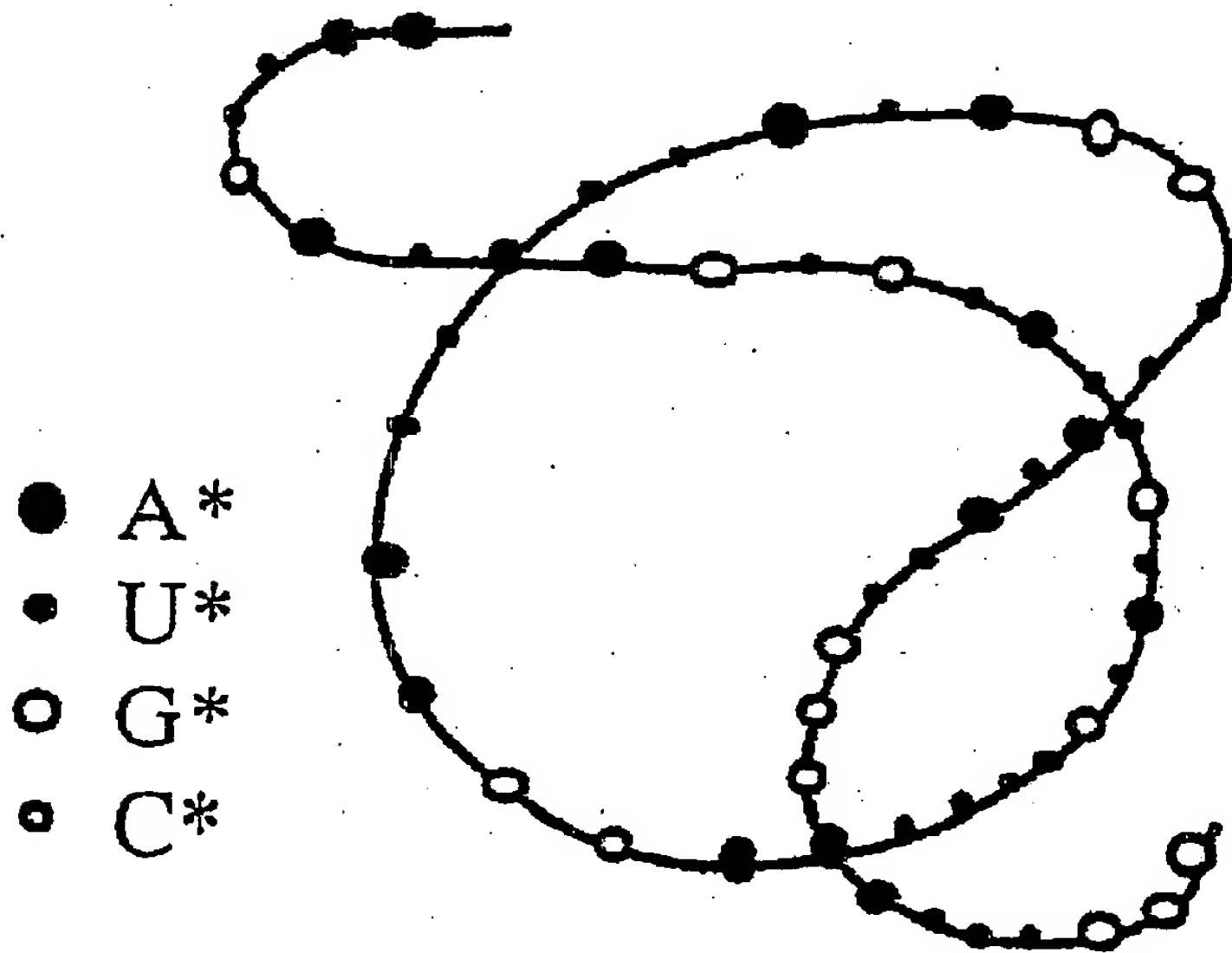


Fig. 2